

Summary

A multilayer system for the surface-coating of transparent substrates, particularly a low emission (Low-E) multilayer system for glass glazing, has at least one layer of mixed oxides produced by reactive sputtering from a metal target alloy. The layer of mixed oxides is made up of ZnO and TiO_2 at at least one of the oxides Al_2O_3 , Ga_2O_3 and Sb_2O_3 . It can act as an upper and/or lower antireflection layer, as a partial layer of an antireflection layer and/or as a top coat. Such a multilayer system is characterized by a high hardness and by very good resistance to a maritime environmental.